

**Representative Larry B. Wiley** proposes the following substitute bill:

**BUILDING CODE AMENDMENTS**

2012 GENERAL SESSION

STATE OF UTAH

**Chief Sponsor: Fred C. Cox**

Senate Sponsor: Benjamin M. McAdams

Cosponsors: Larry B. Wiley

Stephen E. Sandstrom

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**LONG TITLE**

**General Description:**

This bill amends provisions relating to codes affecting buildings.

**Highlighted Provisions:**

This bill:

▶ updates the version of the National Electrical Code and the Utah Wildland Urban Interface Code adopted by the state;

▶ reinstates a chapter of the International Building Code, as it applies to the state, relating to residential energy efficiency, and deletes provisions that replaced that chapter;

▶ prohibits the state and political subdivisions of the state from adopting any version of the International Green Construction Code; and

▶ modifies provisions of the International Energy Conservation Code, as it applies to the state, relating to:

- ratings of windows, doors, and skylights;



- 24 • permissible log walls; and
- 25 • the inspection of buildings for air leakage.

26 **Money Appropriated in this Bill:**

27 None

28 **Other Special Clauses:**

29 This bill provides effective dates.

30 This bill provides revisor instructions.

31 **Utah Code Sections Affected:**

32 AMENDS:

33 **15A-2-103**, as enacted by Laws of Utah 2011, Chapter 14

34 **15A-3-203**, as enacted by Laws of Utah 2011, Chapter 14

35 **15A-3-701**, as enacted by Laws of Utah 2011, Chapter 14



37 *Be it enacted by the Legislature of the state of Utah:*

38 Section 1. Section **15A-2-103** is amended to read:

39 **15A-2-103. Specific editions adopted of construction code of a nationally**  
40 **recognized code authority.**

41 (1) Subject to the other provisions of this part, the following construction codes are  
42 incorporated by reference, and together with the amendments specified in Chapters 3 and 4, are  
43 the construction standards to be applied to building construction, alteration, remodeling, and  
44 repair, and in the regulation of building construction, alteration, remodeling, and repair in the  
45 state:

46 (a) the 2009 edition of the International Building Code, including Appendix J, issued  
47 by the International Code Council;

48 (b) the 2009 edition of the International Residential Code, issued by the International  
49 Code Council;

50 (c) the 2009 edition of the International Plumbing Code, issued by the International  
51 Code Council;

52 (d) the 2009 edition of the International Mechanical Code, issued by the International  
53 Code Council;

54 (e) the 2009 edition of the International Fuel Gas Code, issued by the International

55 Code Council;

56 (f) the ~~[2008]~~ 2011 edition of the National Electrical Code, issued by the National Fire  
57 Protection Association;

58 (g) the 2009 edition of the International Energy Conservation Code, issued by the  
59 International Code Council;

60 (h) subject to Subsection 15A-2-104(2), the HUD Code;

61 (i) subject to Subsection 15A-2-104(1), Appendix E of the 2009 edition of the  
62 International Residential Code, issued by the International Code Council; and

63 (j) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model  
64 Manufactured Home Installation Standard, issued by the National Fire Protection Association.

65 (2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire  
66 Control, the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code,  
67 issued by the International Code Council, with the alternatives or amendments approved by the  
68 Utah Division of Forestry, as a construction code that may be adopted by a local compliance  
69 agency by local ordinance or other similar action as a local amendment to the codes listed in  
70 this section.

71 (3) The state and a county, city, town, or other political subdivision of the state may not  
72 adopt any version of the International Green Construction Code.

73 Section 2. Section **15A-3-203** is amended to read:

74 **15A-3-203. Amendments to Chapters 6 through 15 of IRC.**

75 (1) IRC, Sections R612.2 through R612.4.2, are deleted.

76 ~~[(2) IRC, Chapter 11, is deleted and replaced with Chapter 11 of the 2006 International~~  
77 ~~Residential Code and Chapter 4 of the 2006 International Energy Conservation Code.]~~

78 ~~[(3)]~~ (2) IRC, Section M1411.6, is deleted.

79 ~~[(4)]~~ (3) In IRC, Section M1502.4.4.1, the words "25 feet (7,620 mm)" are deleted and  
80 replaced with "35 feet (10,668 mm)".

81 Section 3. Section **15A-3-701** is amended to read:

82 **15A-3-701. General provision.**

83 The following ~~[is]~~ are adopted as ~~[an amendment]~~ amendments to the IECC to be  
84 applicable statewide~~[, in]~~;

85 (1) in IECC, Section 303.1.3:

86 (a) the following is added at the end of the second sentence before the period: "or, for a  
87 site-built fenestration product, shall be assigned the system U-factor stated in the  
88 manufacturer's documentation, if the manufacturer has produced documentation of the  
89 applicable system U-factor"; and

90 (b) the following is added at the end of the fourth sentence before the period: "or, for a  
91 site-built fenestration product, shall be assigned the system SHGC stated in the manufacturer's  
92 documentation, if the manufacturer has produced documentation of the applicable system  
93 SHGC";

94 (2) the following is added as footnote k to IECC Table 402.1.1: "Log walls complying  
95 with ICC400 and with a minimum average wall thickness of 5" or greater shall be permitted in  
96 Zones 5-8 when overall window glazing is .31 U-factor or lower, minimum heating equipment  
97 efficiency is 90 AFUE (gas) or 84 AFUE (oil), and all other component requirements are met.";

98 (3) in IECC, Section 402.4.2.2:

99 (a) the following is added at the end of the first sentence before the period: "in the  
100 presence of a code official"; and

101 (b) the second sentence is deleted; and

102 (4) in IECC, Section 504.4, a new exception is added as follows: "Exception: Heat  
103 traps, other than the arrangement of piping and fittings, shall be prohibited unless a means of  
104 controlling thermal expansion can be ensured as required in the IPC Section 607.3."

105 **Section 4. Effective date.**

106 (1) Except as provided in Subsection (2), this bill takes effect July 1, 2012.

107 (2) Section 15A-3-203 and Subsection 15A-3-701(2) take effect January 1, 2013.

108 **Section 5. Revisor instructions.**

109 Due to the delayed effective date of Subsection 15A-3-701(2), the Legislature intends  
110 that the Office of Legislative Research and General Counsel, in preparing the Utah Code  
111 database for publication, modify Section 15A-3-701 to read as follows until January 1, 2013:

112 "15A-3-701. General provision.

113 The following [is] are adopted as [~~an amendment~~] amendments to the IECC to be  
114 applicable statewide[; in];

115 (1) in IECC, Section 303.1.3:

116 (a) the following is added at the end of the second sentence before the period: "or, for a

117 site-built fenestration product, shall be assigned the system U-factor stated in the  
118 manufacturer's documentation, if the manufacturer has produced documentation of the  
119 applicable system U-factor"; and

120 (b) the following is added at the end of the fourth sentence before the period: "or, for a  
121 site-built fenestration product, shall be assigned the system SHGC stated in the manufacturer's  
122 documentation, if the manufacturer has produced documentation of the applicable system  
123 SHGC"; and

124 (2) in IECC, Section 504.4, a new exception is added as follows: "Exception: Heat  
125 traps, other than the arrangement of piping and fittings, shall be prohibited unless a means of  
126 controlling thermal expansion can be ensured as required in the IPC Section 607.3.""